

Application No. 10/034,989
Amendment
Docket No. 032301.257

IN THE CLAIMS

Please amend the claims as shown in the listing of claims.

Please also add new Claim 25.

1. (Original) Process for the preparation of completely or partly saturated organic compounds by catalytic hydrogenation of unsaturated organic compounds with hydrogen or hydrogen-containing gas mixtures in the presence of a shaped Raney catalyst as the hydrogenation catalyst, characterized in that the Raney catalyst is in the form of hollow bodies.
2. (Original) Process according to claim 1, characterized in that the Raney catalysts in the form of hollow bodies comprise nickel, cobalt, copper, iron, platinum, palladium, ruthenium or mixtures of these metals as catalytically active constituents.
3. (Original) Process according to claim 1 or 2, characterized in that the Raney catalyst is in the form of hollow spheres.
4. (Currently Amended) Process according to claim 1 or 3 or 2, characterized in that the bulk density of the Raney catalysts used is in the range from 0.3 g/ml to 1.3 g/ml.
5. (Currently Amended) Process according to claim 1 or -4 2, characterized in that the catalyst shaped articles used have a diameter in the range from 0.05 to 20 mm.
6. (Currently Amended) Process according to ~~one or more of claims 1 to 6~~ claim 1 or 2, characterized in that the catalyst shaped articles used have a shell thickness in the range from 0.05 to 7 mm, preferably 0.1 mm to 5 mm.

7. (Currently Amended) Process according to ~~one or more of claims 1 to 6~~ claim 1 or 2, characterized in that the activated catalyst shaped articles used in the process comprise an inorganic binder.

8. (Currently Amended) Process according to ~~one or more of claims 1 to 6~~ claim 1 or 2, characterized in that the activated catalyst shaped articles used in the process comprise no binder.

9. (Currently Amended) Process according to ~~one or more of claims 1 to 8~~ claim 1 or 2, characterized in that the Raney catalyst in the form of hollow bodies used is doped with one or more elements from groups 3B to 7B, 8 and 1B of the periodic table, in particular chromium, manganese, iron, vanadium, tantalum, titanium, tungsten, molybdenum, rhenium and/or metals of the platinum group.

10. (Currently Amended) Process according to ~~one or more of claims 1 to 9~~ claim 1 or 2, characterized in that the Raney catalyst in the form of hollow bodies used is doped with one or more elements from groups 1A, 2A, 2B and/or 3A of the periodic table and/or germanium, tin, lead, antimony or bismuth.

11. (Currently Amended) Process according to ~~one or more of claims 1 to 10~~ claim 1 or 2, characterized in that the hydrogenation is carried out in a fixed bed or suspension reactor in continuous operation.

12. (Currently Amended) Process according to ~~one or more of claims 1 to 10~~ claim 1 or 2, characterized in that the hydrogenation is carried out in the batch process.

a1
13. - 24. (Deleted)

Application No. 10/034,989
Amendment
Docket No. 032301.257

25. (New) Process according to claim 1 or 2 wherein the unsaturated organic compound contains a C = C double bond or a C = C triple bond.